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No. 43] NEW DELHI, SATURDAY, OCTOBER 23, 1993 (KARTIKA 1, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 23rd October 1993

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1—297 GI/93

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5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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(875)

पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 23 अक्टूबर 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, विल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जॉन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडो इस्टेट,
तेसरा तल, लोअर परले (पश्चिम),
मद्रास-600013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोजा, वसन तथा
वीव एवं दावरा और नगर हवेली ।

नगर पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 स 405, तीसरा तल,
परम्पलिका बाजार भवन,
परमती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
बंजारा, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा विल्ली ।

नगर पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालासाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिन्निकाय तथा एमिनिदिब द्वीप ।

नगर पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का बचचौख क्षेत्र ।

नगर पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

बुल्क :—बुल्कों की बहायगी या तो नकद की जाएगी बशर्ता
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य बनावशे अथवा
बक बावशे या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक द्वारा
अथवा बैंक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India Part III, Section 2 :—

(a) Dated the 12th December 1992, Page-1431, Col. 1,
under the heading “Cessation of Patents.

Delete—Patent No. 159319.

(b) Dated the 14th August 1993, page-742, Col. 2, under
the heading “Cessation of Patents.

Delete—Patent No. 151330.

(c) Dated the 16th January 1993, Page-39, Col. 2, under
the heading “Cessation of Patents.

Delete—Patent No. 160141.

(d) Dated the 13th February 1993, Page-137, Col. 1, under
the heading “Cessation of Patents.

For Patent No. 160765, read Patent No. 160766.

(e) Dated the 29th March 1993, Page-240, Col. 2, under
the heading “Cessation of Patents.

Delete Patent No. 162049.

APPLICATIONS FOR PATENTS FILED IN THE PATENT
OFFICE BRANCH, AT TODI ESTATE, THIRD FLOOR,
SUN MILL COMPOUND, LOWER PAREL (W),
BOMBAY-13

5-7-1993

215/BOM/93. Bharat Rasiklal Gandhi. A new stoneless
flour mill.

7-7-1993

216/BOM/93. Hareesh C. Mehta. The Bag-in-Box packaging
system.

8-7-1993

217/BOM/93. The Associated Cement Companies Ltd. A
process for manufacturing thorium oxide based
solid catalyst and thoria catalyst made by said
process for use in industrial catalytic at operating
temperatures.

13-7-1993

218/BOM/93. Hindustan Lever Ltd. U.K. Priorities dates
14-07-92 & 22-07-93. Peroxyacids.

14-7-1993

219/BOM/93. Shrirang Waman Deshpande. An improved
tooth brush.

220/BOM/93. Gopal Rao Rangarao Maddali. Chapati mak-
ing machine for low volumes.

221/BOM/93. Gopal Rao Rangarao Maddali. Chapati mak-
ing machine for high volumes.

222/BOM/93. Neeta Bhausaheb Ingrole. An improved bio-
gas plant and process to manufacture biogas.

19-7-1993

223/BOM/93. The Director, The Automotive Research
Association of India. A CNG/LPG Mixer for
use in Automobiles/I.C. Engines.

224/BOM/93. Hindustan Lever Ltd. Process.

20-7-1993

225/BOM/93. Surendra Himmatlal Shah. Improved roof surface water evaporation system known as 'HUMISTER' system forming a compact cooler.

226/BOM/93. Hindustan Lever, U.K. Priority date 20-07-92. Cosmetic Composition.

227/BOM/93. Hindustan Lever Ltd. High loading water-dispersible UVA and/or UVB light absorbing copolymer.

228/BOM/93. Hindustan Lever Ltd. Enzymic processes based on naturally immobilized enzymes that can be separated and regenerated.

21-7-1993

229/BOM/93. Pynadath Thomas Joy. An improved washing machine.

22-7-1993

230/BOM/93. Hemant Shah & Manish Barot. Generating electrical energy from mechanical energy.

231/BOM/93. Hindustan Lever Ltd. U.K. Priorities dates 22-07-92, 30-10-92 & 09-03-93. Improvements in or relating to germicidal composition.

23-7-1993

232/BOM/93. Khantilal Ramniklal Shah. A container for dispensing particulated dry edible substances.

26-7-1993

233/Bom/1993. Hindustan Lever Ltd. Carrier.

27-7-1993

234/Bom/1993. Centre for Development of Advanced Computing. Method of storing subtitles/annotations in multiple languages in unused portions of video tape through an apparatus such that language of user's choice can be retrieved & displayed through another apparatus.

235/Bom/1993. Hoechst India Ltd. Novel platelet-aggregation inhibitors.

28-7-1993

236/Bom/1993. Siemens Ltd. A direct-on-line starter with extended voltage & current operating limits.

29-7-1993

237/Bom/1993. Hindustan Lever Ltd. U.K. Priority date 31-07-92. Enzymatic detergent compositions.

30-7-1993

238/Bom/1993. Mr. Shivaji Maruti Degoankar. Hydrogen gas burner.

239/Bom/1993. Central Institute for Research on Cotton Technology. A process for the preparation of paper grade pulp from cotton plant stalks by anaerobic digestion.

240/Bom/1993. Chetan Kirtikumar Badheka. Multifilament lamp with auto-switching electronic device.

2-8-1993

241/Bom/1993. Humayunisa Begum Edroos. Process of preparing herbal hair oil.

3-8-1993

242/Bom/1993. Oil & Natural gas Commission. A method of reducing of mud mat of the offshore platform structure.

4-8-1993

243/Bom/1993. Samsung Electronics Co. Ltd. Method for writing data in testing memory device and circuit for testing memory device.

5-8-1993

244/Bom/1993. Ebrahim Adam. An improved sieve device.

245/Bom/1993. Rajesh Pusadkar and Vijay Kulkarni. An improved wear plate for small dams across nullas or rivers.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

16th August 1993

570/MAS/93. DSM N. V. Process for the preparation of a phenol-formaldehyde resin.

571/MAS/93. Institut Francais Du Petrole. Process for the alkylation of peraffins.

572/MAS/93. Takata Corporation. Seat belt retractor.

573/MAS/93. Takata Corporation. Seat belt retractor.

574/MAS/93. Rocky Research. Improved method and apparatus for achieving high reaction rates.

575/MAS/93. Faller Alexander Jun. An apparatus for producing rods.

576/MAS/93. Macrovision Corporation. A device for decrypting encrypted information signals to permit the use thereof. (Divisional to Patent Application No. 364/MAS/89).

17th August 1993

577/MAS/93. Rieter Ingolstadt Spinnereimaschinenabn Aktiengesellschaft. Open-end spinning apparatus.

578/MAS/93. Rieter Ingolstadt Spinnereimaschinenabn Aktiengesellschaft. Method of and apparatus for pneumatically supplying fibres to the fibre collection surface of an open-end spinning element.

579/MAS/93. Vidamed, Inc. Medical probe device and method. (February 16, 1993; Great Britain).

18th August 1993

580/MAS/93. Owens-Brockway Glass Container Inc. Measurement of transparent containing wall thickness.

581/MAS/93. Xerox Corporation. Apparatus and process for glow discharge.

582/MAS/93. Shimon NER-Gaon. Feed-out mechanism for rotary mower cutting head.

583/MAS/93. Deba Prasad Basu and Dr. Rahub Basu. Improvements in lightweight rechargeable storage battery.

19th August 1993

584/MAS/93. State of Israel. Method and Kit for detecting explosives.

585/MAS/93. Societe Des Produits Nestle S.A. A nutritive composition and a process for its production.

586/MAS/93. Zellweger Uster AG. Capacitive sensor for detecting fluctuations in the mass and/or diameter of elongated textile test material.

20th August 1993

587/MAS/93. Seanjeeva Rao. Soap with a seed.

588/MAS/93. TVS-Suzuki Limited. A two-wheeler motor vehicle having a non-structural storage device under the seat thereof.

- 589/MAS/93. C. P. Divakaran. Solute-solvent separation in electrolytic solutions by the application of electrified and use of insulated electrodes.
- 590/MAS/93. K. U. Abraham. R.C. Joint holding tile roof and machinery.
- 591/MAS/98. Societe Des Produits Nestle S.A. A food product based on soyabeans and a process for its production.
- 592/MAS/93. Maschinenfabrik Rieter AG. A double apron drafting arrangement of a spinning machine.
- 593/MAS/93. Zellweger Uster AG. Slip-on device for a yarn bobbins.
- 594/MAS/93. Apparatebau Rothemuhle Brandt & Kritzler GmbH. Regenerative heat-exchanger and method of operation of the heat-exchanger.

23rd August 1993

- 595/MAS/93. Preetha Sreekumar. An effective treatment of the trade effluent from Sulphate Route Titanium Dioxide Plant utilising hydrated lime along with sea water for preventing solid waste generation.
- 596/MAS/93. The pullmann Company. Tube cutter.
- 597/MAS/93. Shuichi Sugita. Method of producing active rice husk ash.
- 598/MAS/93. Institut Francais Du Pétrole. Process for the preparation of isobutyl benzene in the presence of a supported catalyst.
- 599/MAS/93. Pierre Bادهي. Methods & apparatus for producing integrated circuit devices.

24th August 1993

- 600/MAS/93. Hyplast N.V. and Merck Patent GmbH. Composite material for the screening of radiation.
- 601/MAS/93. Shell Internationale Research Maatschappij B.V. Hydrocarbon conversion catalysts.
- 602/MAS/93. Zaptech Corporation. Method for producing steel.
- 603/MAS/93. Henkel Kommanditgesellschaft auf Aktien. A detergent bar.

25th August 1993

- 604/MAS/93. Himont Incorporated. Process for the preparation of aryl-substituted propionic acid esters.

26th August 1993

- 605/MAS/93. Akzo N. V. Ophthalmic Lenses.
- 606/MAS/93. Rosemount Inc. Pneumatic instrument particle trap.
- 607/MAS/93. Dana Corporation. Multiple layer cylinder head gasket.
- 608/MAS/93. Narayana Thevar Sabapathy. A device for automatic lubrication of machinery.
- 609/MAS/93. Drusila Francis. An improved flushing cistern.

APPLICATION FOR THE PATENT FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, IIIRD FLOOR, KAROL BAGH, NEW
DELHI-110 005

21-06-93

- 623/DEL/93. Shri Hari Mohan Dattatreya, "A Gear Box Mechanism providing continuously variable Gear Ratios for Power Transmission between two rotating shafts".
- 624/DEL/93. Ravi Sikri, "A system for the cooling and heating of buildings".

- 625/DEL/93. Motorola Inc., "Apparatus for loading a software program from a radio modem into an external computer".

- 626/DEL/93. Motorola Inc., "Dual Mode Communication Network".

- 627/DEL/93. John Crane UK Limited, "Seals". (Convention Date 04-07-92) (UK).

- 628/DEL/93. Planning Commission, "A Lantern operable on Kerosene or Alcohol".

22-06-93

- 629/DEL/93. Deepak Kumar Tuli & others, "An improved method of preparation of Antimony Dithiocarbamates and Lubricating Composition containing the same".

- 630/DEL/93. ID & E. S. L., "Cleaning/Disinfesting Apparatus for Bathroom and Toilets".

- 631/DEL/93. W.R. Grace & Co. Conn, "Photocurable Elements and Slip Film Compositions used therein".

23-06-93

- 632/DEL/93. Whirlpool Corporation, "Self-Centering drive system for an Automatic Washer".

- 633/DEL/93. The Procter & Gamble Company, "Absorbent article having a unitary release material".

- 634/DEL/93. Russell D. IDE, "Bearing design analysis apparatus and method".

- 635/DEL/93. Shell Internationale Research Maatschappij B.V., "Process for the Catalytic Partial Oxidation of Hydrocarbons".

- 636/DEL/93. Colgate-Palmolive Company, "Antibacterial Antiplaque Oral Composition".

- 637/DEL/93. Colgate Palmolive Company, "Non-Irritating Dentifrice".

- 638/DEL/93. Colgate-Palmolive Company, "Cleansing Bar to condition skin and/or hair".

24-06-93

- 639/DEL/93. 498775 Ontario Limited, "Silk Screen Tactile Prints and Process". (Convention date 25-06-92) (Canada).

- 640/DEL/93. Oliver Rubber Company, "Method and Apparatus for retreading a tire".

- 641/DEL/93. Bausch & Lome Incorporated, "Non-Alcoholic Aqueous Mouthwash".

- 642/DEL/93. Council of Scientific and Industrial Research, "A Process for the preparation of Ethanol-2- (2, 4-dinitrophenyl) (Sulphide) (EDNPS)".

25-06-93

- 643/DEL/93. Council of Scientific and Industrial Research, "A process for the preparation of Ethanol-2- (2, 4-Dinitrophenyl) Sulphone".

- 644/DEL/93. Council of Scientific and Industrial Research, "A process for the preparation of 2- (2, 4-Dinitrophenylsulphonyl) Ethyloxycarbonylchlorides".

- 645/DEL/93. Council of Scientific and Industrial Research, "An improved process for the synthesis of peptides".

- 646/DEL/93. General Electric Company, "Alumina, Calcium, Yttria Sealing Composition".

- 647/DEL/93. Mangey Ram, "Sugarcane two point cutter and finisher (Root cutting and Green Leaf Cutting and Finishing)".

- 648/DEL/93. Rohm GMBH, "Process for Liming Hides and Skins".

649/DEL/93. Centre Stephanois De Recherches Mecaniques Hydrome-Canique Et Frottement, "Bearing Shell for Heavily Loaded bearing with a rolled Strip Interference or Force Fit Lining".

650 DEL/93. Exxon Chemical Patents, Inc., "Aquathermolytic Cleavage of Unsaturated Ketones".

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप है।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त जांचा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत

विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गूणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 32F3 (a) [IX(1)]

172591

Int. Cl.4: C07C 49/786.

A PROCESS FOR THE PREPARATION OF BENZOPHENONE DERIVATIVES.

Applicant: WARD BLENKINSOP & COMPANY LIMITED, A BRITISH COMPANY, OF HALEBANK FACTORY, LOWER ROAD, WIDNES, CHESHIRE WA8 8NS, ENGLAND.

Inventors: PETER NICHOLL GREEN AND WILLIAM ARTHUR GREEN.

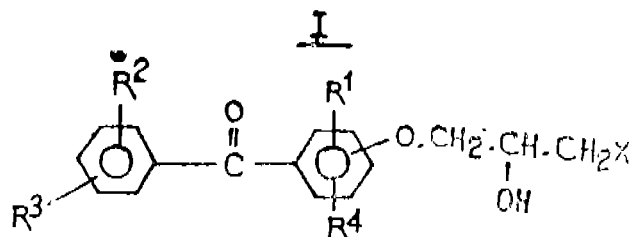
Application for Patent No. 125/DEL/88, filed on 16th February 1988.

Convention dated 17 Feb. 1987/8703606/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

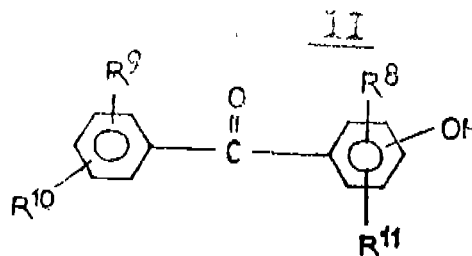
9 Claims

A process for the preparation of benzophenone derivatives of the general formula I of the drawings



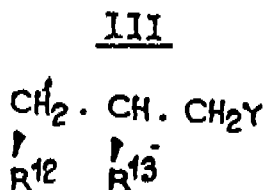
in which X

represents—SO₃H or an alkali metal salt thereof, or NR⁵R⁶R⁷+A(−) in which R⁵ represents an alkyl or benzyl group, each of R⁶ and R⁷ independently represents an alkyl group, and A(−) represents one equivalent of an anion; and each of R¹, R², R³ and R⁴ independently represents a hydrogen or halogen atom, a hydroxy group, a C(1–6) alkyl, alkoxy or alkylthio group, or a group of formula—O. CH₂ CH(OH)CH₂X, in which X has the meaning given above, which process comprises reacting a compound of the general formula II of the drawings.



in which each of R⁸, R⁹, R¹⁰ and R¹¹ independently represents a hydrogen or halogen atom, a hydroxy group, or

a C(1-6) alkyl, alkoxy or alkylthio group, with a compound of the general formula III of the drawings

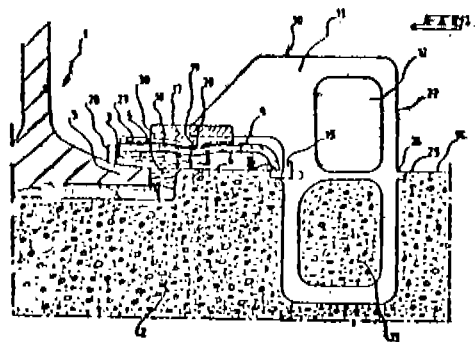


In which Y represents one of the groups X as hereinbefore defined, and either R¹² is a leaving group such as herein described and R¹³ is a hydroxy group or R¹² and R¹³ together represent an oxygen atom, in the presence of a base such as herein described.

(Compl. Specn. 19 Pages.

Drgn. 1 sheet)

depression (20, 46a, 46b) in the leaf so as to prevent longitudinal and transverse movement of said leaf (9, 33).



(Compl. Specn. 20 pages.

Drwgs 4 sheets)

Ind. Cl.: 157D, 6C [L]

172592

Int. Cl.⁴: E01B 9/62.

RAIL AND SUPPORT COMBINATION RESILIENTLY SECURED BY AN ASSEMBLY.

Applicant: PROMORAIL, A FRENCH BODY CORPORA-
TE, OF 3 AVENUE HOICHE, 75008 PARIS, FRANCE.

Inventor: JACQUES GARNIER.

Application for Patent No. 136/DEL/88 filed on 18 Feb 1988.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 12

A rail support combination resiliently secured by an assembly which comprises:

a holding member (10, 31) in the form of a clamping dog anchored into the support (2);

an intermediate element (4) abutting against a flange of the rail (1); and

a spring means in the form of a leaf (9, 33) mounted between the holding member and the intermediate element, said leaf bearing upon the rail flange by means of the intermediate element and thereby exerting a pressure upon said rail flange, a rear portion (9a, 44) of said leaf (9, 33) bearing on the holding member and a front portion fixed on the intermediate element, said holding member (10, 31) which is anchored within the support at a position adjacent the rear portion or wheel of the leaf extending from the support in a transverse direction to the rail and bearing vertically upon the leaf between said rear and front portions so as to allow the intermediate element and the leaf to be inserted under said holding member in a direction parallel to the rail (1),

characterised in that the holding member (10, 31) is provided with a positioning element (17, 35) disposed below the front portion of the holding member and bearing on the leaf, said positioning element (17, 35) comprising at least one boss or boss-like circular protuberance (19, 35b, 35c) formed on its front part or surface (18, 35a), said boss (19, 35b, 35c) cooperating with a correspondingly shaped hollow

Ind. Cl.: 159 M L1(3).

172593

Int. Cl.⁴: E01B 26/00, 29/00, 29/02.

A TRACK WIDTH INDICATOR.

Applicant: SULTAN SINGH JAIN, B-36, SHANTI NAGAR, ROORKEE, DISTRICT HARIDWARE, UTTAR PRADESH, INDIA.

Inventor: IDEM.

Application for Patent No. 140/DEL/1988 filed on 22nd February 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claim 1

A track width indicator comprised a trolley made of a frame (7) fitted with four wheels (22A, 22B, 22C & 22D) mounted on rails (11) on a railway track as shown in Fig. 1 & 6 which on moving along them indicates the width between the rails (11) on a dial (5) through a pointer (10) moved by a stud (21A) connected with a slider (16); the said slider (16) fitted with a spring loaded wheel (22B) through a ball bearing slidably over a body (3) which bored to pass a shaft (14) through; the said shaft (14) and the body (3) drilled a hole (8A & 8B) at one time perpendicular to the bore (5) of the shaft (14) and the body (3) facing to ground and a funnel (6) fitted in the bore (4) of the shaft (14) and when the so formed trolley moves on rails (11) having standard width then the pointer (10) indicates zero on dial (5) and the said slider (16) over laps the said hole (8B) but when the distance between the rails (11) is more or less than the standard distance than the pointer (10) moves to left or right of zero mark on the said dial (5) through the slider (16) linear movement and this only linear movement of the slider (16) in either directions uncovers the hole (8B) of the body (3) as shown in Fig. 5 thereby coinciding its slot (13B or 13C) with the hole (8B) thereby making the coloured dry sand (24) filled in the funnel (6) to flow through the bore (4) and hole (8A) of the shaft (14), hole (8B) and slot (13B) falling the ground in small quantities because the hole (8A) of the shaft (14) coincides once in every of its revolution with the hole (8B) of the body (3).

(Comp. Specn. 9 pages

Drwgs 3 sheets)

Ind. Cl.: 97 D

172594

Int. Cl.⁴: B21 D53/02.**PACK OF HEAT TRANSFER PLATES FOR USE IN HEAT EXCHANGERS.**

Applicant: SVENSKA ROTOR MASKINER AB, A JOINT STOCK COMPANY ORGANISED UNDER THE LAWS OF SWEDEN, OF P.O. BOX 15085, S-104 65 STOCKHOLM, SWEDEN.

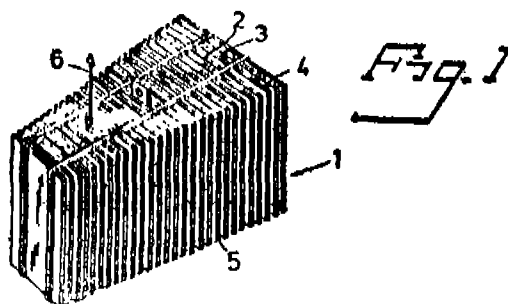
Inventor: KURT KARLSSON AND BIRGER PETTERSSON.

Application for Patent No. 141/Del/1988 filed on 22nd February 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claim 1

A pack of heat transfer plates for use in heat exchangers comprising a plurality of mutually identical profiled plates (2, 3) said plates being mutually contiguous with each other forming channels for heat exchanging media, said channels extending between two mutually opposing and surfaces (4, 5) of the pack (1), each plate in the pack (1) having corrugations in the form of mutually parallel S-shaped double ridges (21, 22; 31, 32) which project symmetrically and obliquely from both sides of each said plate, said plates (2, 3) being oriented such that the double ridges of one plate intersect the double ridges of an adjacent plate, and said adjacent plates being in contact with one another solely at points of intersection (24) of said intersecting double ridges and said double ridges of respective plates extending symmetrically and obliquely in mutually opposite directions relative to the main flow direction (6) of the heat exchanging media flowing in said channels formed between adjacent plates, characterized in that said plates (2, 3) are mutually oriented such that each pair of double ridges converging towards a point of intersection (24) having a part (21) of the double ridge of one plate (2) projecting into an intermediate channel, and a part (32) of the double ridge of the other plate (3) projecting away from said intermediate channel thereby providing substantially equal flow of said heat exchange media between all plates of said pack independent of the flow direction of said heat exchange media.



(Comp. Specn. 11 pages.)

Drwg 1 sheet)

Ind. Cl.: 85 H.

172595

Int. Cl.⁴: F 27 B 1/00.**AN IMPROVED VERTICAL SHAFT KILN.**

Applicant: NATIONAL COUNCIL FOR CEMENT & BUILDING MATERIALS, OF M-10, SOUTH EXTENSION, PART-II, RING ROAD, NEW DELHI-110049, INDIA.

Inventors: HOSAGRAHARA CHANDRASEKHARAI AH VISVESVARAYA SUSHANTA CHATTERJEE, NARAPPA LAKSHMANA MURTHY, SINHESWAR SINHA, AND AMALESH MANNA.

Application for Patent No. 144/Del/88 filed on 23rd February 1988.

Complete Specification left on 24-4-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 2

An improved vertical shaft kiln comprising an outer jacket or shell (MS) made of metal, said jacket or shell having an upper or feed end 1B and extending downwardly into a burning (2B) and cooling zone, (3B) an inner lining or jacket of refractory provided along the inner surface of said jacket and extending from the upper end to the lower end of the cooling zone and a metal lining being provided at the lower end, a rotary grate disposed within said shell MS at the lower end, characterised in that the refractory lining in the cooling zone being provided of smaller thickness than that in the burning zone so as to provide an increased inner diameter of said shaft kiln in the cooling zone and corresponding to that of the burning zone, a step or a flange being provided between said burning and cooling zone on the outer jacket thereof such that the burning zone has outer diameter greater than the cooling zone, said refractory consists of a known high abrasion resistance refractory, and a stationary grate as disclosed in our Patent Application No. 142/Del/88 being provided within said kiln so as to coact with said rotary grate.

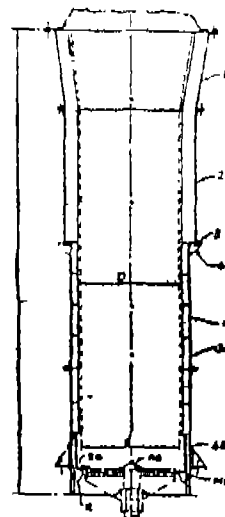


Fig. 2

(Provisional Specification 5 pages.)

(Comp. Specn. 9 pages.)

Drwg 2 sheets)

Ind. Cl.: 24D LV.

172596

Int. Cl.⁴: B60T 13/68.**A BRAKE ASSURANCE MONITOR.**

Applicant: UTDC INC., A COMPANY INCORPORATED UNDER THE LAWS OF ONTARIO, OF P.O. BOX 70, STATION, A, KINGSTON, ONTARIO, CANADA K7M 6P9.

Inventors: RAY SMITH AND STANLEY LADDUCEUR.

Application for Patent No. 145/Del/1988 filed on 23rd February 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 11

A brake assurance monitor, for controlling braking and propulsion systems of a vehicle, the brake assurance monitor comprising:

a controller for controlling normal braking, a first level emergency braking, and a second level emergency braking.

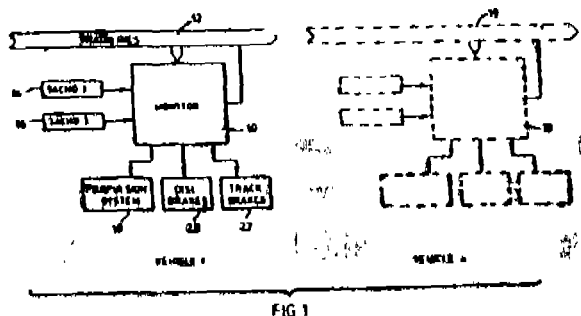
which controller has inlets for connection to lines carrying vital command signals and outlets;

a first switch means comprising a plurality of normal, first inputs for connection to other lines carrying command signals, a plurality of alternative first inputs, and a plurality of first outputs, which are connectible either to the respective normal, first inputs or to the respective, alternative first inputs;

a first actuation means connected to the controller and the first switch means, for switching the first outputs of the first switch means from the normal, first inputs to the alternative, first inputs, in response to a signal from the controller, the first outputs being connected to the normal, first inputs during normal braking, and being switched to the alternative, first inputs when emergency braking is required;

a second switch means comprising a plurality of normal, second inputs connected to the outlets of the controller, a plurality of alternative, second inputs, for connection to the lines carrying the vital command signals, and a plurality of second outputs, which are connectible either to respective normal, second inputs or to respective alternative, second inputs; and

a second actuation means, connected to the controller and the second switch means, for switching the second outputs of the second switch means from the normal, second inputs to the alternative, second inputs, in response to a signal from the controller, the second outputs being connected to the normal, second inputs during normal braking and being switched to the alternative, second inputs when the second level emergency braking is required.



(Comp. Specn. 34 pages.)

Drwg 8 sheets)

Ind. Cl.: 145B [XXIV (4)]

172597

Int. Cl.: B 4 1J.—1/06.

AN IMPROVED PROCESS FOR THE PRODUCTION OF DIRECT COPYING PAPER.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001.

Inventors: CHOWDHURY NATH SAIKIA, PRAFULLA PRAN BARUA AND BANI PRASAD CHALLAH.

Application for Patent No. 150/Del/88 filed on 26th February 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 13

A process for the production of direct copying paper for making multiple copies without the use of carbon paper in between them which comprises (i) coating a coloured transfer marking layer referred to as "Donor" or transfer surface on a paper web with a composition obtained by mixing an emulsified composition of a wax, stearic acid and water and carbon black, filler and a binder (ii) coating a colourless layer called "Receptor" layer on another paper web with a composition consisting of an acid stable wax emulsion and a filler,

(iii) super imposing the said paper webs in such a manner that the transfer surface and receptor layer will face each other to produce direct copying paper.

(Comp. Specn. 11 pages).

Ind. Cl.: 140—(A 2).

172598

Int. Cl.: C 10 M, 135/02.

A PROCESS FOR PRODUCING SULFURIZED OLFIN.

Applicants: THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A.

Inventors: ROGER LEE SOWERBY & STEPHEN AUGUSTINE DI BIASE.

Application for Patent No. 164/Del/88 filed on 2nd Mar 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 12

A process for producing a sulfurized olefin comprising the steps of:

(a) dehydrohalogenating with or without the presence of a catalyst, an olefin/sulfur halide complex such as herein described by contacting the complex with a protic solvent such as herein described in the absence of any metal ions and thereby removing halogens from the sulfurized complex and producing a dehalogenated sulfurized olefin, said dehydrohalogenation being carried out at a temperature in the range of 60°C to 160°C at a pressure in the range of 0.75 atmospheres to superatmospheric pressure, and

(b) isolating in any known manner, the sulfurized olefin, and if desired, repeating steps (a) and (b).

(Complete Specifications 24 pages).

Ind. Cl.: 190 B.

172599

Int. Cl.: F01D 5/22 & 5/24.

A STEAM TURBINE.

Applicant: ALSTHOM, A FRENCH BODY CORPORATE, OF 38 AVENUE KLEBER 75784 PARIS CEDEX 16, FRANCE.

Inventors: PIERRE BOURCIER & GILBERT ROILLET.

Application for Patent No. 166/Del/88 filed on 3rd Mar 1988.

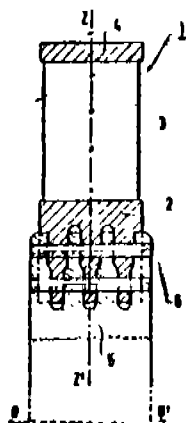
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 10

A steam turbine having a plurality of blades each of said blades having a root and a substantially radial body provided with transverse members in a known manner at least one pin locking the root of said blades in a central core constituting a portion of the rotor of the steam turbine, each of said transverse members having a front face which is at a slope relative to the vertical mid-plane (P), said mid-plane being substantially parallel to radial axes (Z' Z') of the blades and a rear face of said transverse member being substantially parallel to said front face, with said front and rear faces of said blades being located on the same side of the mid-plane (P), said blades being rotatable about the axis (O'O'), characterised in that said front face and rear face of said transverse members are provided with link members located between adjacent transverse members at a substantial distance from said

rear and front face, said link members being freely slidable rectilinearly in planes corresponding to the plane of each transverse member along respective axis said axis being substantially perpendicular to the axis of rotation (00') of said blading.

FIG.1



(Comp. Specn. 12 pages.

Drwg 7 sheets)

Ind. Cl. : 144 A & 160 A.

172600

Int. Cl.⁴ : B29 15/10, B32B 27/00, 27/28, 31/00, 31/14 & B29C 39/10, 39/12, 45/14, 45/16.

A METHOD OF MANUFACTURING A PLASTIC EXTERIOR BODY PANEL.

Applicant: AVERY INTERNATIONAL CORPORATION, A DELAWARE CORPORATION, OF 150 NORTH ORANGE GROVE BOULEVARD, PASADENA, CALIFORNIA 91103, UNITED STATES OF AMERICA.

Inventors: PATRICK LEON SPAIN & KEITH LAWSON TRUOG.

Application for Patent No. 212/Del/88 filed on 16 Mar 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 7

A method of manufacturing a plastic exterior body panel for a motor vehicle having a paint coat with exterior automotive appearance and durability properties, said method comprising:

applying a clear coat of a solution of vinylidene fluoride and acrylic resin in thin film form onto a surface of a flexible casting sheet such as herein described, and drying the clear coat on the casting sheet, the surface of the sheet having a specular reflectance for transferring to the surface of the dried clear coat a gloss level sufficient for exterior automotive use;

casting a color coat of a pigmented solution of vinylidene fluoride and acrylic resin in thin-film form and drying the color coat;

2-297 GI/93

transferring the dried clear coat and color coat to a semi-rigid backing sheet of a synthetic resinous material to form a composite paint coat bonded to a face of the backing sheet, in which the clear coat forms the exterior surface of the transferred paint coat and the color coat is bonded between the clear coat and the face of the backing sheet, and in which the exterior surface of the clear coat substantially retains the gloss transferred to it from the casting sheet;

thermoforming the backing sheet and the composite paint coat thereon to form a three-dimensionally shaped laminate; and

adhering in a manner such as herein described, the three-dimensionally shaped laminate to a synthetic resinous substrate material such as herein described to form an exterior vehicle body panel.

(Comp. Specn. 84 pages;

Drwg 4 sheets)

Ind. Cl. : 206 E [LXII]

172601

Int. Cl.⁴ : G 06 F 12/00 15/00.

PERSONAL COMPUTER SYSTEM.

Applicants: INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors: RICHARD BEALKOWSKI, RICHARD ALAN DAYAN, DAVID JOSEPH DORIA, SCOTT GERARD KINNEAR, ROBERT BRITTON LIVERMAN, JEFFREY ISSAC KRANTZ, GUY GIL SOTOMAYOR, DONALD DORSEY WILLIAMS AND GARY ANTHONY VAISKAUCKAS.

Application for Patent No. 180/Del/88 filed on 09 Mar 1988.

Convention date 10-12-1987/8728922/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 5

A personal computer system comprising:

a central processing unit (CPU) comprising a microprocessor operating in either one of a first or a second mutually incompatible addressing mode;

a memory (fig. 4) connected to said central processing unit for storing information, said memory being addressable by said central processing unit in either one of said first and second addressing modes;

addressing means (fig. 4) for cooperating with said central processing unit for controlling the presentation of addressing information to said central processing unit in said first and second addressing modes;

said addressing means comprising means for storing (ABIOS fig. 4) first and second tables for the first and second modes respectively, each table containing pointers to respective predetermined regions of said memory, wherein at least some of said pointers in said first table have corresponding pointers in said second table;

a first anchor pointer (fig. 6), connected to said central processing unit, for directing said central processing unit to said first table whenever said central processing unit is in the first addressing mode; and

second anchor pointer (fig. 6) connected to said central processing unit, for directing said central processing unit to

said second table whenever said central processing unit is in the second addressing mode;

whereby said central processing unit is capable of being directed to address the same location in said memory in either addressing mode without said central processing unit switching addressing modes.

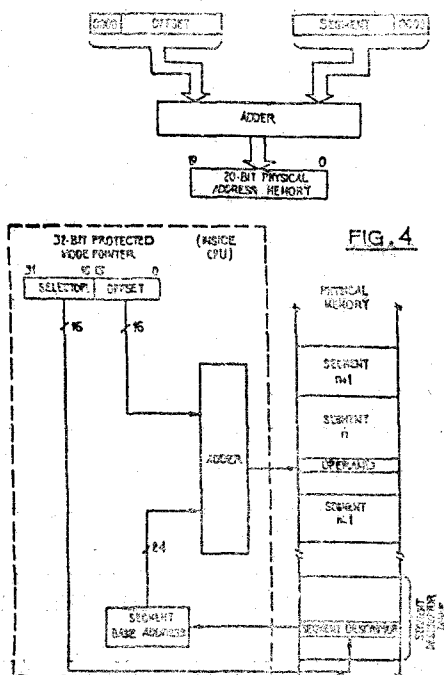
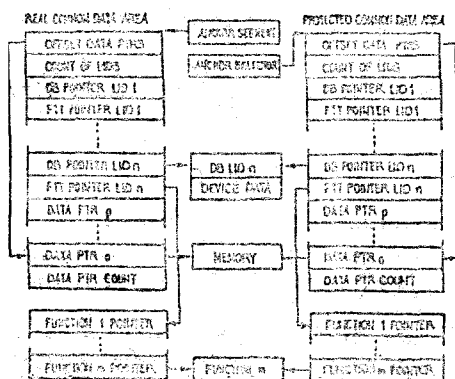


FIG. 6



(Comp. Specn. 15 pages.)

Drwg 6 sheets)

Ind. Cl. : 32 F 2(a) (IX—(I))

172602

Int. Cl.⁴ : C 07 C 121/60.

A PROCESS FOR THE PREPARATION OF REDOX INDICATOR.

Applicants: MILES INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF INDIANA, UNITED STATES OF AMERICA, DOING BUSINESS AT P.O. BOX 40, 1127 MYRTLE STREET, ELKHART, INDIANA 46515, UNITED STATES OF AMERICA.

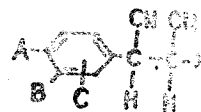
Inventors: FLOREN SENG AND KLAUS WEHLING.

Application for Patent No. 213/Del/88 filed on 16 Mar 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 4

A process for the preparation of a redox indicator of formula I



of the drawings for use such as the detection of peroxidases and peroxidatively active compounds, wherein

A is $-\text{NR}_2$ or $-\text{OR}$,

wherein

R is alkyl, which can be substituted by halogen or hydroxyl,

or

A is $-\text{NH}-\text{SO}_2-\text{R}^1$ or $-\text{NH}-\text{CO}-\text{R}^1$,

wherein

R^1 is aryl or alkyl, or

A is morpholine, piperidine, pyrrolidine or piperazine and

B and C independently of one another are hydrogen, alkyl, halogen- COOH , SO_3H , $-\text{NR}_2$, $-\text{OR}$, $-\text{NH}-\text{SO}_2\text{R}^1$ or $-\text{NH}-\text{CO}-\text{R}^1$, or

A and B together are $-\text{O}(\text{CH}_2)-\text{O}-$ or $-\text{O}-\text{CH}_2-\text{CH}_2-\text{O}-$ and X is CN or COOR^2 ,

wherein

R^2 is alkyl with up to 3 carbon atoms, excluding 4-(1,2-tricyanoethyl)-N, N-dimethylaniline, said process comprising:

(a) dissolving a benzylidene compound such as herein described in an alcohol of the kind such as herein described;

(b) adding an alkali metal cyanide to the solution obtained from (a);

(c) adding excess of water to the resulting reaction mixture of (b); and

(d) separating in a manner known per se the resulting redox indicator in crystalline form.

(Comp. Specn. 17 pages.)

Drwg 2 sheets)

Ind. Cl. : 82

172603

Int. Cl.⁴ : A 62 C 1/04.

AN APPARATUS FOR SUPPRESSING EXPLOSIONS AND FIRES.

Applicant: MICHAEL OLIVER O' CONNELL, AN IRISH CITIZEN OF KNOCKANEADY, BALLINEEM, COUNTY CORK, IRELAND.

Inventor: MICHAEL OLIVER O' CONNELL.

Application for Patent No. 228/Del/1988 filed on 22nd March 1988.

Convention date 25-03-1987, 07-05-1987, 24-06-1987 & 18-09-1987/770/87, 1129/87, 1673/87 & 2524/87/IRELAND.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

Claims 24

An apparatus for suppressing, extinguishing or inhibiting a fire or an explosion in an area comprising reservoir means for pressurised water and heating means for heating the water, the reservoir means having an outlet means the outlet being closed by a valve means of the kind as herein described which is opened in response to fire or explosion conditions occurring in the areas to introduce pressurised hot water from the reservoir means into the area at a pressure higher than that in the area, portion of the water forming a vapour cloud on introduction into the area and portion of the water flashing off as steam on entry to the lower pressure area to suppress, extinguish or inhibit a fire or an explosion and prevent re-ignition.

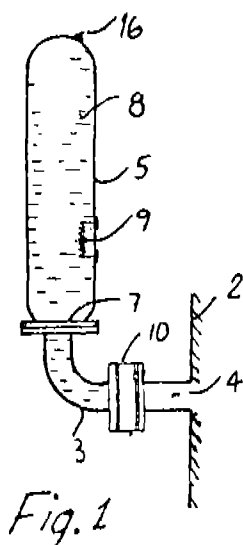


Fig. 1

(Comp. Specn. 35 pages)

Drwg 6 sheets)

Ind. Cl.: 32 B [IX-(1)]

172604

Int. Cl.: C 07 C, 11/02.

AN IMPROVED PROCESS FOR THE PREPARATION OF 1-SUBSTITUTED AMINO 1-SUBSTITUTED THIO-2-NITRO ALKENES.

Applicants: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: ABDUL RAKEEB ABDUL SUBHAN DESHMUKH, BABURAO MANIKRAO BHAWAL, VASUDEO PANDURANG SHIRALKAR, SRINIVASACHARI RAJAPPA.

Application for Patent No. 06/Del/89 filed on 03 Jan 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

Claims 11

An improved process for the preparation of 1-substituted amino-1-substituted thio-2-nitro alkenes of general formula $(R_1NH)(R_2S)C=CR_3(NO_2)$ wherein R_1, R_2 may be same or different and may consist of hydrogen, alkyl, aryl or arylalkyl groups or combinations thereof and R_3 is hydrogen the said process comprising of reacting a primary amine with carbon di-sulfide in presence of a phase transfer catalyst to obtain a carbonimidodithioic acid salt, converting the said

salt to the corresponding carbonimidodithioic acid ester and further reacting the said ester with nitro methane in the presence of a secondary catalyst such as lewis acid or zeolites as here in described, at a temperature between 20—150°C to obtain the 1-substituted amino-1-substituted thio-2-nitro alkenes.

(Comp. Specn. **11 pages)

Drwg 1 sheet)

Ind. Cl.: 55 F.

172605

Int. Cl.: A 01 H 13/00, A 01 N 63/02, C 12 N 1/12.

AN IMPROVED PROCESS FOR THE PRODUCTION OF DRIED ALGAL BIOMASS FROM SPIRULINA.

Applicants: NATIONAL RESEARCH DEVELOPMENT CORPORATION, 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXT. NEW DELHI-110048, INDIA AND SHRI A. M. M. MURUGAPPA CHETTIAR RESEARCH CENTRE, OF TIAM HOUSE, 28, RAJAJI ROAD, MADRAS-600 001, TAMIL NADU.

Inventors: CHETPAT VENKATASUBBAN SESHADRI, BANGALORE VENKATRAMU UMESH.

Application for Patent No. 29/DEL/89 filed on 16 Jan 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

Claims 10

1. An improved process for the production of dried algal biomass from spirulina which comprises culturing a strain of spirulina in a reactor having light racks to simulate sunlight supplying photons in the range of 1500—2000 lux in a nutrient medium consisting of Sodium Biocarbonate, Sodium Nitrate, dipotassium phosphate and trace elements such as zinc & vanadium and distilled water, at a temperature between 25—35°C for a period of 15—20 days, so as to produce a culture having an optical density in the range of 0.8 to 1.2 measured at 420 nanometers, transferring the culture to a larger reactor having exposure to sunlight to supply photons in the range of 4000—6000 lux, the reactor having the same nutrients employed in the first reactor except that natural water is used in the medium instead of distilled water, the initial optical density of the inoculum being in the range of 0.1 to 0.8 measured at 420 nanometer, constantly agitating the inoculum, until the optical density of the culture reaches a value of 1 to 1.2, filtering the culture in such a way that enough inoculum is left in the reactor for further culturing, washing the resulting paste with water at neutral pH, the filtrate being recycled alongwith the wash water to the second reactor and drying the residue to a moisture content of between 3-8%.

(Comp. Specn. 12 pages).

Ind. Cl.: 54—[XIV—(3)]

172606

Int. Cl.: A 23 F, 5/20.

METHOD OF CONTINUOUSLY EXTRACTING CAFFEINE FROM GREEN COFFEE.

Applicant: GENERAL FOODS CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK 10625, THE UNITED STATES OF AMERICA.

Inventor: SAUL NORMAN KATZ.

Application for Patent No. 36/DEL/89 filed on 17 Jan 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

Claims 10

1. A method of continuously extracting caffeine from green coffee comprising :

(a) feeding essentially caffeine-free supercritical carbon dioxide containing non-caffeine solids and saturated with water to the lower end of a substantially vertical extraction vessel containing green coffee beans having a moisture content of 25—50% by weight, continuously countercurrently contacting said supercritical carbon dioxide and said green coffee beans in said extraction vessel maintained at a temperature in the range of from 80°C to 140°C to extract caffeine from the coffee into said supercritical carbon dioxide and continuously withdrawing supercritical carbon dioxide containing caffeine and non-caffeine solids from the upper end of said extraction vessel;

(b) discharging a portion of the coffee beans in said vessel from the lower end of the extraction vessel, the discharged portion comprising decaffeinated coffee beans;

(c) moving the remaining coffee beans downwardly in the extraction vessel to an extent corresponding substantially to the amount of decaffeinated coffee beans discharged from the extraction vessel;

(d) introducing moist green coffee beans having a moisture content of 25—50% into the upper end of said extraction vessel in an amount corresponding substantially to the amount of decaffeinated coffee beans discharged from said extraction vessel;

(e) feeding said supercritical carbon dioxide containing caffeine and non-caffeine solids to an absorber;

(f) continuously countercurrently contacting said supercritical carbon dioxide containing caffeine and non-caffeine solids with water in said absorber at a temperature in the range of from 80°C to 140°C for substantial removal of said caffeine contained in said supercritical carbon dioxide without substantially extracting any appreciable amount of said non-caffeine solids therefrom;

(g) withdrawing caffeine-laden water from the absorber;

(h) withdrawing substantially caffeine-free supercritical carbon dioxide containing non-caffeine solids from said absorber;

(i) recycling said substantially caffeine-free supercritical carbon dioxide containing non-caffeine solids to the lower end of the extraction vessel as required by step (a); and

(j) periodically repeating steps (b), (c) and (d) while carrying out steps (a) and (e) through (i) to effect extraction of caffeine from said green coffee beans.

(Comp. Specn. 25 pages)

Drwg. 2 sheets)

Ind. Cl.: 55 A [XIX (1)]

172607

Int. Cl.: A 01 N 47/00, 47/10.

A PRESERVATIVE COMPOSITION TO PRESERVE SUBSTANCES LIKE HOUSEHOLD OR PERSONAL CARE PRODUCTS AND PROCESS FOR PREPARING THE SAME.

Applicant: LONZA INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING ITS CORPORATE HEADQUARTERS AT 22—10 ROUTE 208, FAIR LAWN, NEW JERSEY 07410, UNITED STATES OF AMERICA.

Inventors: MARVIN ROSEN, KENNETH J. IANDOLI.

Application for Patent No. 40/DEL/89 filed on 18 Jan 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

Claims 11

A preservative composition to preserve substances like household or personal care products, which comprises an admixture of (a) a nontoxic, nonodiferous formaldehyde donor such as herein described and (b) a halopropynyl such as herein described and the weight ratio of component (a) to (b) is from 50: 1 to 1: 1.

(Comp. Specn. 22 pages).

Ind. Cl.: 148 H [XXXVIII(3)]

172608

Int. Cl.: G 21 K 3/00. H 05 G. 1/00.

A FILTER FOR USE WITH AN X-RAY APPARATUS FOR MEDICAL OR DENTAL DIAGNOSIS.

Applicant: RAD/RED LABORATORIES INC., OF COMMERCIAL POINT, SUITE 39, 481 NORTH SERVICE ROAD WEST, BUILDING A, OAKVILLE, ONTARIO, CANADA L6M 2R5, A CANADIAN COMPANY.

Inventors: KENNETH EARL DEMONE, EARL JOHN Mc CUTCHEON.

Application for Patent No. 65/DEL/89 filed on 24 Jan 1989.

Convention dated 29-1-1988/557752/CA.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

Claims 6

A filter for use with an X-ray apparatus for medical or dental diagnosis which is capable of reducing the intensity of X-rays having an energy of 50 keV by 8% to 35% of the unfiltered level, comprising one or more metal foils in which the metal is niobium, copper, silver, tin, iron, nickel, zirconium, aluminum and molybdenum or a combination thereof, said one or more metal foils being encased in a layer of coloured cardboard material which is capable of identifying specific information regarding the filter,

the metal, cardboard structure being further provided on both the sides with a layer of plastic material which together with cardboard layer is capable of absorbing the secondary radiation.

(Comp. Specn. 23 pages)

Drwg 2 sheets)

Int. Cl.: A 46 B 15/00

Ind. Cl.: 26+189.

172609

TOOTHBRUSH FOR THE SLOW RELEASE OF DISINFECTANT AND/OR ANTI-BACTERIAL AGENTS.

Applicant: COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor: STEVEN KENT.

Application for Patent No. 209/DEL/89 filed on 06 Mar 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

Claims 7

A toothbrush comprising a head having a plurality of tuft holes for the reception and retention of respective multiplicities of bristles therein, each multiplicity of bristles being attached in a corresponding tuft hole by a corresponding

one of a plurality of anchors, at least one of said tuft holes having therein dissolvable means adapted to contain a disinfecting and/or medicating agent such as herein described to be released in response to the presence of a liquid during brushing, said dissolvable means being retained in said at least one tuft hole by the corresponding anchor inserted in said tuft hole.

(Comp. Specn. 16 pages)

Drwg 1 sheet)

Ind. Cl.: 128 G—[XIX—(2)]

172610

Int. Cl.⁴: A 61 F 5/46.

INTRA-UTERINE CONTRACEPTIVE PESSARY.

Applicant: HANS ALFRED BAUER, A GERMAN CITIZEN, OF MARQUARDSENSTRASSE 8, 8520 ERLANGEN, WEST GERMANY.

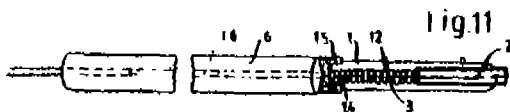
Inventor: HANS ALFRED BAUER.

Application for Patent No. 211/DEL/89 filed on 06 Mar 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 6

1. An intra-uterine contraceptive pessary comprising two spreading arms which are in a folded configuration for insertion through the cervical canal and which assume an unfolded configuration for retention in the uterine cavity, wherein a change from the folded configuration into the unfolded configuration comprises an elastic deformation of the spreading arms, wherein said two spreading arms (1) form a substantially closed-loop structure in the folded configuration and in the annular configuration, said two spreading arms (1) being transversely by a third arm (12) which, at its one end, engages the spreading arms (1) and, at its other end, an abutment (14) mounted on the spreading arms wherein for the purpose of changing the spreading arms (1) from the folded configuration into the unfolded configuration for retention, the length of the third arm is capable of being mechanically changed, characterised by said two spreading arms (1) consist exclusively of a metal wire of the kind such as herein defined, the spreading arms (1) being straightened in the folded configuration and having an annular shape and being elastically bent in the unfolded configuration, the abutment (14) being a closure to which the third arm (12) is connected, further comprising means for finely controllably adjusting the length of the third arm (12) between the two ends acting on the spreading arms (1) with the spreading arms (1) being in the unfolded configuration.



(Comp. specn. 10 pages)

Drwg 1 sheet)

Cl.: 69 A, 1

172611

Int. Cl.: H 01 H 73/00.

ELECTRICAL CIRCUIT BREAKERS.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

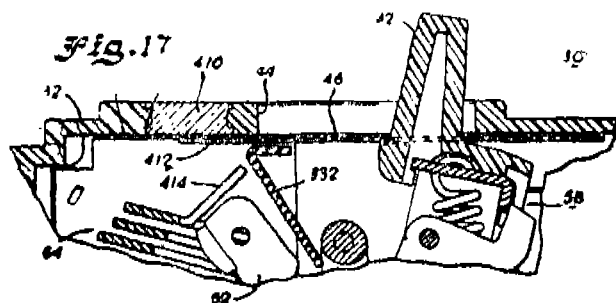
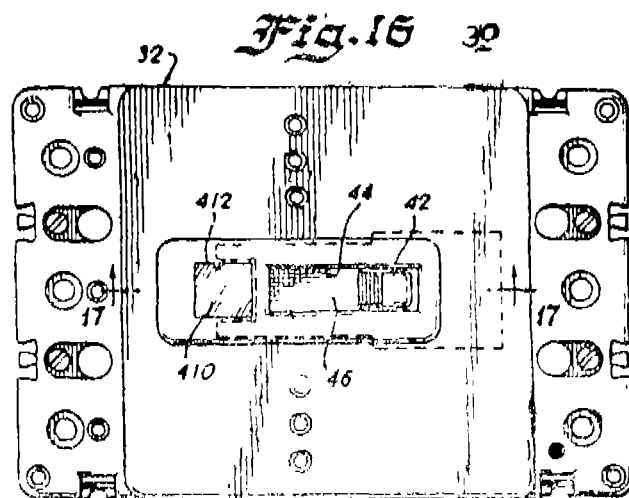
Inventors: (1) RONALD ANDREW CHESKI, (2) ALFRED EUGENE MAIER.

Application No. 21/Cal/89; filed on 9th January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 Claims

An electrical circuit breaker, comprising a modded case (32, 34) for said circuit breaker, a manually engageable handle (42) extending through said case, a pair of separable electrical contacts (50, 52) capable of being operated by said handle to a CLOSED position or to an OPEN position, said contacts being disposed within said case, and means for providing an externally visually discernable indication of the position of said contacts, said visual providing means characterised by a transparent viewing window (410) in said case for providing a view externally of said circuit breaker of at least one of said contacts, an elongated rigid means secured to said handle and movable therewith for covering at least a portion of said window when said contacts are moved by said handle into said CLOSED position, said rigid means providing said view of at least one of said contacts when said contacts are moved by said handle into said OPEN position.



(Compl. Specn. 27 pages)

Drwg. 10 sheets)

Cl.: 61 A; 93

172612

Int. Cl.⁴: B 29 B 11/10.

AN IMPROVED METHOD OF FORMING PASTILLES AND APPARATUS THEREFOR.

Applicant: SANTRADE LTD. OF ALPENQUAI 12 6002 LUZERN, SWITZERLAND.

Inventor: REINHARD FROESCHKE.

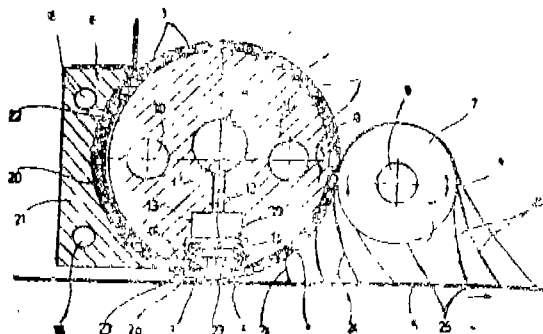
Application No. 146/Cal/89; filed on 20th February 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

15 Claims

An improved method of forming pastilles wherein small quantities of a liquid viscous material are passed through small openings and onto a moving conveyor surface upon which quantities of material are cooled and solidified, the improvement wherein said liquid viscous material is contacted by said moving conveyor surface after said liquid viscous material protrudes from said openings and while such protruding liquid viscous material is in a stable state i.e. before the viscous material drops out of the openings, whereby said quantities of liquid viscous material from said openings.

Fig. 5



Compl. Specn. 20 pages

Drwg. 3 sheets

Cl.: 167-C

172613

Int. Cl.: B 07 C 5/342.

APPARATUS FOR SORTING OBJECTS BY COLOUR.

Applicant: TECNOSTRAL S.A. INDUSTRIA E TECNOLOGIA OF ESTRADA DO TINDIBA, 979 JACAREPAGUA 22700-RIO DE JANEIRO-RJ. BRASIL.

Inventors: (1) SERGIO BUARQUE QUINTAES, (2) PHILIPPE KAYSER.

Application No. 276/Cal/89; filed on 10th April 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

9 Claims

Apparatus for sorting objects by colour comprising conveyor means for conveying objects uniformly and individually to an analysis zone, an analysis chamber in said zone through which said transported objects may pass, illuminating means for illuminating the interior of said chamber, photodetectors arranged to detect light reflected, transmitted or emitted by said objects separated into two or more colour bands of the spectrum, electronic circuit means associated with said photodetectors adapted to produce digitalized electrical signals corresponding to the intensity of said detected light in said colour bands, a colour sorting matrix comprising a plurality of points in the form of a matrix, each point in the matrix representing an acceptable or non-acceptable colour of an object in accordance with the combination of the digitalized electrical signals that would be produced by said electronic circuit means with respect to such object, means for comparing said digitalized electrical signals produced by said electronic circuit means with the points on said matrix and producing an output indicating whether said combined digitalized electrical signals corresponding to each of said objects

passing through the analysis chamber represent an acceptable or a non-acceptable colour, and means for selecting, modifying or creating said matrix points.

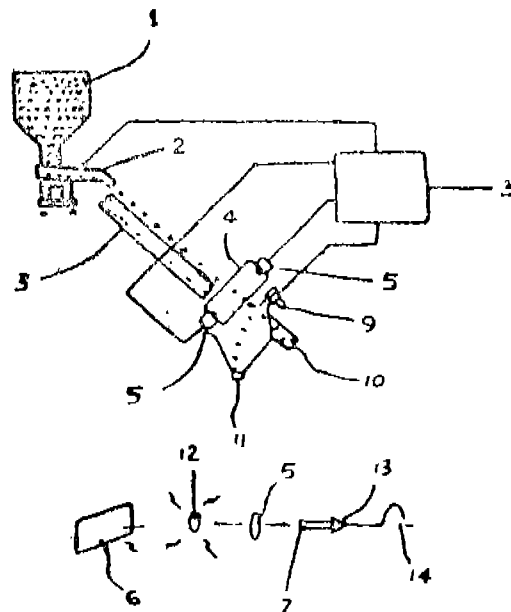


Fig. 1

(Compl. Specn. 44 pages.

Drwg. 8 sheets)

Cl.: 206 E

172614

Int. Cl.: G 05 B 19/417.

A COMMUNICATIONS NETWORK FOR A DISTRIBUTED PROCESS CONTROL SYSTEM.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: (1) CARL JOSEPH STAAB, (2) KIRK DOUGLAS HOUSER, (3) DONALD JAMES JONES, (4) ROBERT THORNTON IHRMAN, (5) DONALD ALBERT POEPEL and (6) WARREN ALBERT EDBLAD.

Application No. 357/Cal/89; filed on 10th May 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

A communications network for a distributed process control system having a plurality of stations capable of sending and receiving data of at least two types, said communication arrangement comprising:

a first communication channel over which at least two of said plurality of stations are connected;

a second communication channel, independent of said first communication channel, over which said plurality of stations are connected;

said first communication channel having a faster response time than said second communication channel;

processing means disposed at each said plurality of stations for determining which of said first and second communication channels such data is to be communicated over, said processing means making such determination as a function of the type of data to be communicated; and,

wherein all data transmitted over said first communication channel is shared entirely by all stations connected to said first communication channel and data of second type which

is transmitted over said second communication channel, is distributed to stations disposed on said second communication channel on a preselected need to know basis and further wherein said second type of data to be transmitted over said second communication channel is control data which is utilized in a substantially immediate manner by said distributed process control system, said control data being distinguishable from data communicated over said first communication channel which is characterized as historical data.

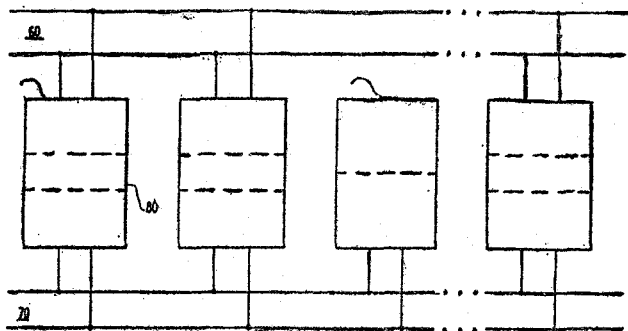


FIG. 2

(Compl. Specn. 14 pages.

Drgns. 2 sheets)

Cl. : 172 F

172615

Int. Cl.⁴ : D 02 J 1/00, 3/00.Int. Cl.⁴ : D 02 J 1/00, 3/00.

YARN FINISH APPLICATOR WITH INTERNAL FINISH HEATING CAPABILITY.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF DELAWARE, WILMINGTON, UNITED STATES OF AMERICA.

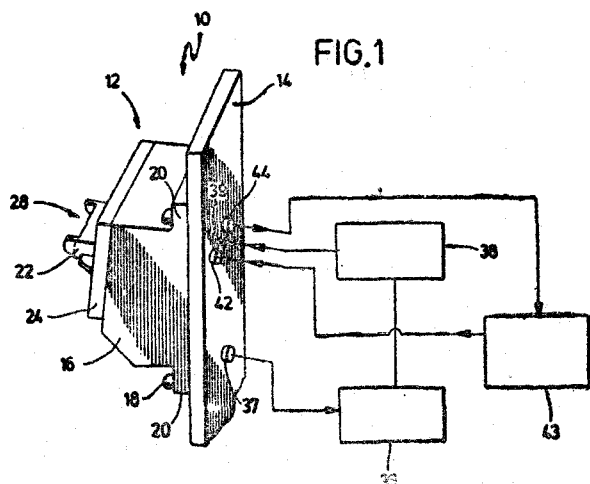
Inventor: JAMES EARL MCCALL.

Application No. 412/Cal/89; filed on 30th May 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A yarn finish applicator comprising a body member providing a yarn contact surface including a slot with two side walls and a bottom, a passage extending to said slot through said body member so that finish is supplied to said slot by flowing through said passage, and heating means in said body member for heating said finish as said finish flows to the yarn in the slot.



(Compl. Specn. 10 pages

Drgns. 2 sheets)

Cl. : 40 B

172616

Int. Cl. : B 01 J 31/00, 31/22.

A PROCESS FOR THE PREPARATION OF CATALYST COMPONENT.

Applicant: HIMONT INCORPORATED OF 2801 CENTERVILLE ROAD, NEW CASTLE COUNTY, DELAWARE, UNITED STATES OF AMERICA.

Inventors: (1) PIER CAMILLO BARBE, (2) LUCIANO NORISTI, (3) GIANNI PENNINI, (4) ENRICO ALBIZATI.

Application No. 416/Cal/89; filed on 31st May 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of a catalyst component comprising suspending a polymeric support medium obtained from styrene monomers, ethylenically unsaturated monomers and cross-linking monomers, in the form of particles having a porosity greater than 0.2 cc/g and a pore size distribution such that at least 30% of them have a radius greater than 150A, in a solution of magnesium dihalide or of a magnesium compound capable of being transformed into a magnesium dihalide, removing the solvent by evaporation and reacting in a known way the solid obtained with a titanium/vanadium compound.

(Compl. Specn. 26 pages.

Drgns. Nil)

Cl. : 55-F

172617

Int. Cl. : A 61/C 8/00.

A 61 F 2/00,

A 61 L 27/00.

IMPLANT AND METHOD OF MAKING IT.

Applicant: AB IDEA, OF BOX 81, S-260 40 VIKEN, SWEDEN.

Inventors: (1) LARS BRUCE and (2) INGRID BRUCE.

Application No. 449/Cal/89; filed on 13th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An implant (prosthesis) comprising biological material as herein described in its surface intended to face the body tissue, characterised in that said surface is formed of a layer provided on a prosthetic body (2) or a layer from which one or more layer-anchoring elements (12) project, said body or anchoring elements consisting of or having a surface layer of tissue-compatible material consisting of a mixture of grains/pulverulent material (5) of tissue-compatible type and disintegrated tissue-compatible biological material (4), such as bone meal, which by the addition of nutrient has been caused to grow, both out to said surface and in to said body or said anchoring elements so as to be linked thereto, said growth also linking together the components (4, 5) of said mixture.

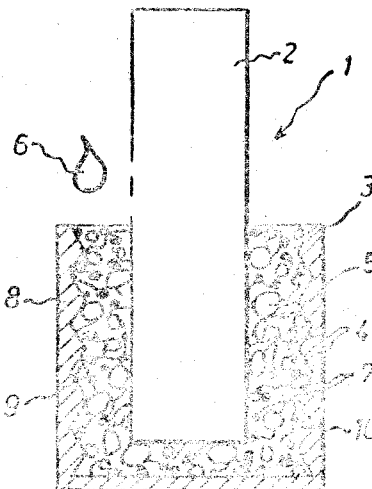


Fig. 1

(Compl. Specn. 6 pages.

Drgns. 1 sheet

Cl.: 32 B

172616

6 Claims

Int. Cl.⁴: C 07 C 7/00, 9/00, 11/00.**PROCESS OF RECOVERING ETHANE FROM NATURAL GAS.**

Applicant: MCDERMOTT INTERNATIONAL, INC. OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

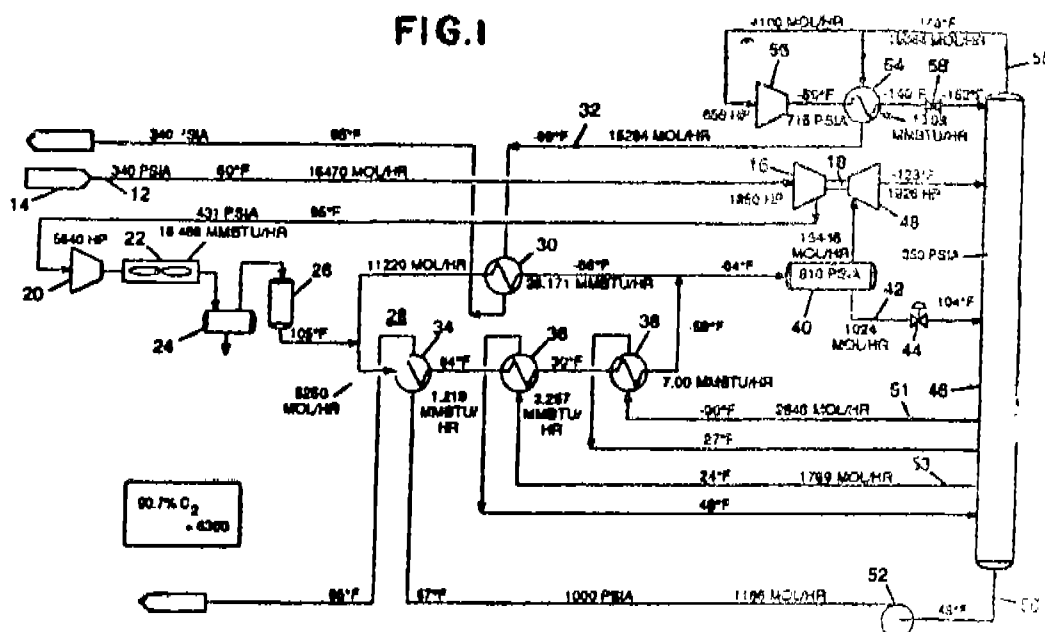
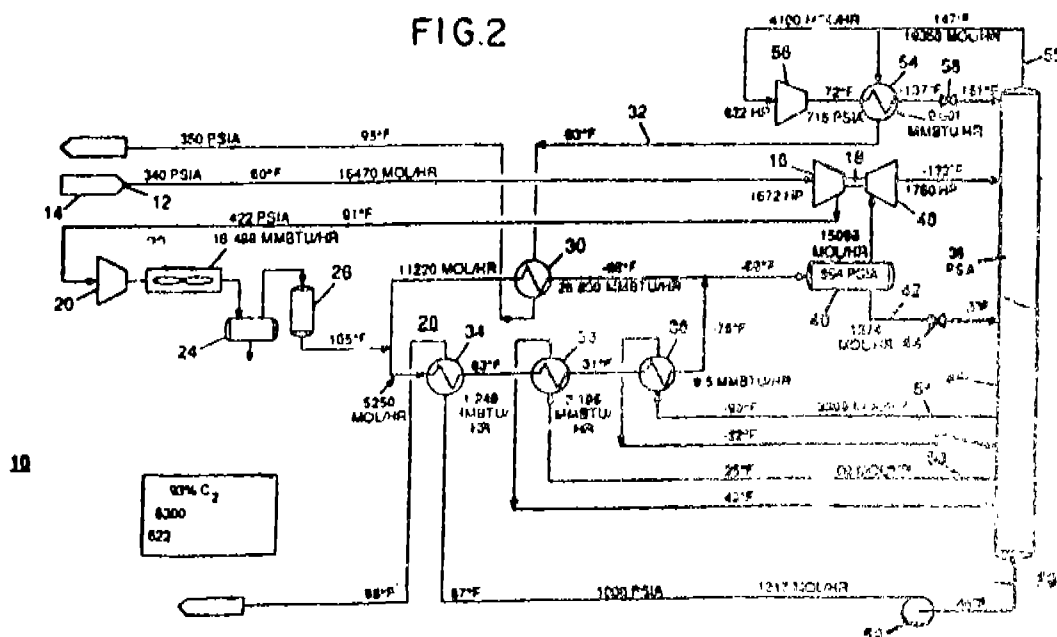
Inventor: GEORGE JOSEPH MONTGOMERY.

Application No. 671/Cal/89; filed on 17th August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

An improved method of ethane recovery from natural gas wherein condensed liquid is returned to a demethanizer as reflux comprising the steps of:

- (a) removing overhead vapor from a demethanizer.
- (b) compressing a portion as herein defined of said overhead vapor, now reflux, to a pressure greater than that of said demethanizer,
- (c) reducing the temperature of said compressed reflux thereby causing at least a portion as herein defined of it to condense,
- (d) equalizing the pressure of said reflux to that of said demethanizer; and
- (e) feeding said reflux back to said demethanizer.

FIG.1**FIG.2**

Cl.: 158 B 2

172619

Int. Cl.: B 61 G, 9/00.

DRAWBAR COUPLERS FOR RAILWAY CARS.

Applicant: MCCONWAY & TORLEY CORPORATION
OF 109-48TH STREET, PITTSBURGH, PA 15201, UNITED STATES OF AMERICA.

Inventor: MARY ANN GLOVER.

Application No. 830/Cal/89; filed on 05th October 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A drawbar coupler for a railway car having a center sill, said drawbar coupler including:

a drawbar having a vertical pin hole extending between top and bottom surfaces forwardly of truncated, spherically shaped buff load transfer surface at a butt and portion thereof.

a rear support block having truncated, substantially hemispherically shaped buff load bearing surface engageable with said truncated spherically shaped buff bearing surface,

a drawbar support casing attached and dimensioned to fit in said center sill for transferring buff and draft loads from said drawbar to said center sill,

a drawbar bearing block having a rearwardly facing draft load transfer surface engaged with said drawbar in the vertical pin hole, said drawbar bearing block further having forwardly facing draft load transfer surface.

a drawbar pin having an annular pin surface engaged with the forwardly facing draft load transfer surface of said drawbar bearing block, said drawbar pin being operably connected to said drawbar support casing for transferring draft forces from the drawbar to said center sill; and

a gravity responsive slack adjusting wedge for engaging the tapered rear surface of said rear support block.

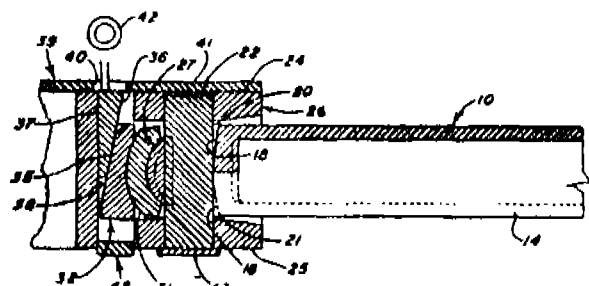


FIG. 1

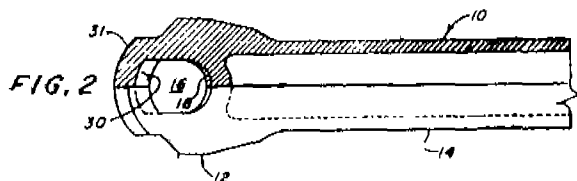


Fig. 2

Compl. Specn. 21 pages

Drawgs. 2 sheets

Cl.: 70 C₃ & C₀

172620

Int. Cl.: C 23 C 16/40, 20/06, 22/56
H 05 H 1/00, 1/42.

PROCESS FOR PREPARING A COATED METALLIC BASE BODY BEING COATED WITH A NON-CONDUCTING COATING MATERIAL.

Applicant: KRUPP WIDIA GMBH OF MUNCHENER STR. 90, D-4300 ESSEN 1, WEST GERMANY.

Inventors: (1) HENDRIKUS VAN DEN BERG, (2) UDO KONIG (3) NORBERT REITER, (4) RALF TABERSKY.

Application No. 917/Cal/89; filed on 03rd November 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for preparing a coated metallic base body being coated with a non-conducting coating material, in particular with a ceramix (AL₂O₃), comprising coating the base body with the coating material by means of a plasma activated CVD process (CVD-chemical vapour deposition), wherein the plasma activation is conducted at the base body with a pulsed DC voltage of between 200 and 900 volts connected as the cathode, said coating being provided at a temperature of between 400 and 800°C.

(Compl. Specn. 9 pages)

Drgns. Nil)

PATENTS SEALED

ON 24-09-1993

170909^vD 170935 170936 170937 170938 170939* 170942
170947* 170950 170951 170955* 170959* 170961 170962*
170964 170965 170966 170967 170970 170971 170972
170975* 170978 170981 170982 170983 170984 170985
170986* 170987 170988 170989 170991* 170992.

CAL—12, BOM—02, DEL—11 & MAS—09.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—DRUG PATENT, F—FOOD PATENT.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that MITSUBISHI DENKI KABUSHIKI KAISHA, a Japanese Company organized and existing under the laws of Japan, of 2-3, Marunouchi 2 Chome, Chiyoda-ku, Tokyo 100, Japan, have made an application under section 57 of the Patents Act, 1970 for amendment of Address for service in application and specification of their application for patent No. 324/BOM/1989, for "DIFFERENTIAL PROTECTIVE RELAY APPARATUS". The amendments are by way of amendments of address for service in India. The application for amendment and proposed amendment can be inspected free of charge of the Patent Office Branch, Todi Estate, 3rd Floor, Sunmill Compound, Lower Parel (West), Bombay-400013, on any working day during the usual official hours or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 alongwith the full written statement within three months from the date of this notification to the Patent Office Branch, Bombay.

If full written statement of opposition is not filed with the notice of opposition it should be left within one month from the date of filing the said Notice of Opposition.

REGISTRATION OF ASSIGNMENTS LICENCES, ETC. (PATENTS)

Assignments, Licences or other transaction affecting the interest of the original patentee have been registered in the following cases.

The Number of each case is followed by the name of the parties claiming interest:—

164667	}	NORSOLOR, societe Anonyme.
161028		
158649		
161793		
161795		
162130		
165465		
164081		

RENEWAL FEES PAID

153134 156301 156315 156671 157080 161945 162374 163459
166406 168836 169082 169473 169921 169922 169928 170604
170674 170720.

CESSATION OF PATENTS

158314 158318 158335 158350 158399 158401 158415 158421
158443 158444 158446 158457 158472 158481 158523 158546
158547 158564 158577 158581 158596 158643 158654 158665
158683 158687 158705 158714.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160837 granted to Eenergy Conversion Devices, Inc. for an invention relating to "improved process and apparatus for making amorphous semiconductor alloys in layered form".

The Patent ceased on the 29th October 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 16th October 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 23rd December 1993. under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the motion or within one month from the date of the notice.

Notice is hereby given that an application for restoration of Patent No. 163492 dated the 9th July 1985 made by IBP CO., Ltd. on the 17th March 1992 and notified in the Gazette of India Part III, Section 2, dated the 1st August 1992 has been allowed and the said patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 164419 granted to Sovonics Solar Systems for an invention relating to "a method of fabricating a fluorinated P-doped microcrystalline silicon-based semiconductor alloy."

The Patent ceased on the 11th October 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2, dated the 16th October 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 23rd December 1993. under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the motion or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168262 granted to Stanic, Miodrag for an invention relating to "Shut-off valve for fluids".

The Patent ceased on the 28th August 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2, dated the 16th October 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 23rd December 1993. under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the motion or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168312 granted to Voest-Alpine Aktiengesellschaft & others for an invention relating to "apparatus for thermally treating finegrained solids, particularly for burning ground raw material for making cement".

The Patent ceased on the 1st September 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2, dated the 16th October 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 23rd December 1993. under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the motion or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168603 granted to Eco-Tec Limited for an invention relating to "a process for electroplating metals and an apparatus therefor".

The Patent ceased on the 10th November 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2, dated the 16th October 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 23rd December 1993. under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the motion or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169733 granted to Gobind Sanwaria for an invention relating to "a device for smooth movement of lift cages in coal mine shafts."

The Patent ceased on the 8th May 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2, dated the 16th October 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 23rd December 1993, under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the motion or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the entries is the date of the registration of the design included in the entry.

Class 8. No. 165083. Imperial Exports of a Registered Indian Partnership Concern, of 11, Kaiserbag, Lucknow-226 001, Uttar Pradesh, India, whose Partners are Kanwal Kohli, Shrimati Veeranwali Kohli, Shrimati Anita Wissenbach and Kumari Anisha Kohli, of the above address. "Durrie (Floor Covering)" 9 Dec 1992.

Class 8. No. 165084. Imperial Exports of a Registered Indian Partnership Concern, of 11, Kaiserbag, Lucknow-226 001, Uttar Pradesh, India, whose Partners are Kanwal Kohli, Shrimati Veeranwali Kohli, Shrimati Anita Wissenbach and Kumari Anisha Kohli of the above address. "Durrie (Floor Covering)" 9th December 1992.

Class 8. No. 165085. Imperial Exports of a Registered Indian Partnership Concern, of 11, Kaiserbag, Lucknow-226 001, Uttar Pradesh, India, whose Partners are Kanwal Kohli, Shrimati Veeranwali Kohli, Shrimati Anita Wissenbach and Kumari Anisha Kohli of the above address. "Durrie (Floor Covering)" 9th December 1992.

Class 8. No. 165086. Imperial Exports of a Registered Indian Partnership Concern, of 11, Kaiserbag, Lucknow-226 001, Uttar Pradesh, India, whose Partners are Kanwal Kohli, Shrimati Veeranwali Kohli, Shrimati Anita Wissenbach and Kumari Anisha Kohli of the above address. "Durrie (Floor Covering)" 9th December 1992.

Class 8. No. 165087. Imperial Exports of a Registered Indian Partnership Concern, of 11, Kaiserbag, Lucknow-226 001, Uttar Pradesh, India, whose Partners are Kanwal Kohli, Shrimati Veeranwali Kohli, Shrimati Anita Wissenbach and Kumari Anisha Kohli of the above address. "Durrie (Floor Covering)" 9th December 1992.

Copyright extended for the 2nd period of five years

Nos. 152664, 159761, 160175, 159244—Class 1.

Nos. 159259, 159260, 159261, 164388, 163793, 163792, 163879, 164181—Class 3.

Copyright extended for the 3rd period of five years

Nos. 153045, 159761, 152796, 152797, 152798, 152799, 152781, 152783—Class 1.

Nos. 164388, 153192, 153193, 152782, 153784, 163793, 163792, 153287, 163879, 164181—Class 3.

R. A. ACHARYA

Controller General of Patents & Designs
and Trade Marks

प्रश्नक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1993

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